Claims

1.   A method for minimizing a bandwidth required for
the transfers of communication network administration
5   information, said information relating to objects
pertaining to hardware, software or network operation
elements, catalogued in an administration information
base (11) and with each of which is associated a formal
language specification, characterized in that it
10   comprises steps consisting in:
-    generating (48-50) on the basis of said
specification for each object, a pair of words (121)
the value of whose first word pertains to an indication
of the object and the value of whose second word
15   pertains to an information length of the object;
-    constructing (41-47, 51-61) a template comprising
an ordered set of pairs of words (121-133) generated
and an identifier (119-120) of said template, making it
possible to subsequently send an ordered string
20   (99-113) of information corresponding to said template.

2.   The method as claimed in claim 1, characterized in
that it comprises steps consisting in:
-    traversing (43-46) a tree of the administration
25   information base (11) each node of which is associated
with an object;
-    testing (44) at each node whether the object is of
scalar or table type;
-    constructing (41-47) the template by appending the
30   word pair generated to the template if the object is of
scalar type;
-    constructing (51-61) another so-called table
template if the object is of table type for the objects
of the table.
35

3.   The method as claimed in claim 1 or 2,
characterized in that it comprises steps consisting in
constructing (33-37, 19-22) in addition a configuration
template comprising the pairs of words generated for

objects with modifiable access.

4. A system for minimizing a bandwidth required for the transfers of communication network administration information, said information relating to objects pertaining to hardware, software or network operation elements, catalogued in an administration information base (11) and with each of which is associated a formal language specification, characterized in that it comprises a translator module (10) designed to generate on the basis of said specification for each object, a pair of words the value of whose first word pertains to an indication of the object and the value of whose second word pertains to an information length of the object and to generate a template comprising an ordered set of pairs of words and an identifier, making it possible to subsequently send an ordered string of information corresponding to said template.

5. The system as claimed in claim 4, characterized in that the translator module (10) is designed to traverse a tree of the administration information base (11) each node of which is associated with an object, so as to test at each node whether the object is of scalar or table type and to construct the template by appending the word pair generated to the template if the object is of scalar type or construct another so-called table template if the object is of table type for the objects of the table.

6. The system as claimed in claim 4 or 5, characterized in that the translator module (10) is designed to construct in addition a configuration template comprising the pairs of words generated for objects with modifiable access.

7. The system as claimed in one of claims 4 to 6, characterized in that it comprises a supervisor module (87) designed to collect measurements and an

exportation module (88) designed to transmit at least
one ticket of data pertaining to these measurements to
a server (92).

5